

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Barker, et. al.
INT'L APP. NO.: PCT/GB00/01732
US SERIAL NO.: GROUP ART UNIT:
FILING DATE: 11/08/01 EXAMINER:
ATTY. FILE NO.: 2A0120.USD
TITLE: Dosing Valve With Flow Rate Sensor
For a Beverage Dispenser
PAPER: Preliminary Amendment

Hon. Commissioner of Patents and Trademarks
Washington, DC 20231

Dear Sir:

In the above referenced case, please enter the following:

IN THE CLAIMS:

Please cancel, without prejudice, claims 2-15.

Please enter new claims 16 and 17, as follows:

--16. A multiple fluid mixture dispensing device for mixing one or more of a plurality of liquid concentrates with one or more liquid diluents, the multiple mixture fluid dispensing device, comprising:
two or more concentrate flow control valves, each concentrate valve for controlling flow of a concentrate liquid in a down stream direction from an inlet to an outlet thereof,
one or more diluent flow control valves, each for controlling flow of a diluent liquid in a down stream direction from an inlet to an outlet thereof,
each concentrate and diluent valve having a housing body defining a flow passage extending there through from the inlet thereof to the outlet thereof, and the flow passage having a flow control portion defined by a flow orifice, flow orifice sidewalls, and one or more grooves formed in the flow orifice sidewalls, and the one or more grooves having a cross-sectional area that decreases in a downstream direction along the flow orifice sidewalls, a rod extending through the housing and into and substantially